

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10/016,882"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/07 20:04
S2	1	"07/464,328"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/07 20:41
S3	2626	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 05:57

## EAST Search History

S4	683	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/07 21:05
S5	115	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing).ab. and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/07 21:06

## EAST Search History

S6	24	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing).ab. and (meter or metered or metering or measure or measured or measuring or measurement).ab. and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/07 21:06
S7	1	("5986574").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/07 21:43
S8	1	(US-4811011-\$).did.	USPAT	OR	ON	2007/03/12 07:41

## EAST Search History

S9	115	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing).ab. and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 15:17
S10	24	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing).ab. and (meter or metered or metering or measure or measured or measuring or measurement).ab. and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 15:17

## EAST Search History

S11	91	(S9 not S10)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 15:47
S12	9585	((705/1) or (705/63) or (705/64) or (705/65) or (705/66) or (705/67) or (705/68) or (705/69) or (705/70) or (705/71) or (705/72) or (705/73) or (705/74) or (705/75) or (705/76) or (705/77) or (705/78) or (705/79) or (705/80) or (705/412) or (705/413) or (705/418) or (705/500)).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 15:46
S13	2626	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 15:46
S14	196	(S12 and S13)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 15:46
S15	183	(S14 not (S9 or S10))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 15:47

## EAST Search History

S16	7	(US-6650887-\$ or US-5699528-\$ or US-5825883-\$ or US-5283829-\$ or US-5146067-\$ or US-4803632-\$ or US-4351028-\$).did.	USPAT	OR	ON	2007/03/09 16:29
S17	384	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and ("new customer" or (customer with (move or moved or moving)) or "different customer")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 20:58

## EAST Search History

S18	60	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement).ab. and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and ("new customer" or (customer with (move or moved or moving)) or "different customer")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 20:40
-----	----	--	--	----	----	------------------

## EAST Search History

S19	11	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement).ab. and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and ("new customer" or (customer with (move or moved or moving)) or "different customer")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 20:40
S20	49	(S18 not S19)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 20:50
S21	3	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and ((meter or metered or metering or measure or measured or measuring or measurement) with "new account") and (pay or paid or paying or payment)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 21:01

## EAST Search History

S22	109	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (meter with "account number")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 21:50
S23	317	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and meter and (bill or billed or billing) and ("account number") and ((new or different or switch or switched or switching or move or moved or moving or transfer or transferred or transferring or start or started or starting) with (customer or resident or consumer or occupant or account))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 21:54

## EAST Search History

S24	317	(US-20060252528-\$ or US-20060248353-\$ or US-20060248016-\$ or US-20060247042-\$ or US-20060242075-\$ or US-20060224903-\$ or US-20060218651-\$ or US-20060212722-\$ or US-20060211477-\$ or US-20060211476-\$ or US-20060211475-\$ or US-20060205485-\$ or US-20060200417-\$ or US-20060190404-\$ or US-20060174326-\$ or US-20060167801-\$ or US-20060149680-\$ or US-20060142078-\$ or US-20060129493-\$ or US-20060129492-\$ or US-20060106722-\$ or US-20060093142-\$ or US-20060069926-\$ or US-20060041512-\$ or US-20060025206-\$ or US-20060004665-\$).did. or (US-20050289068-\$ or US-20050273433-\$ or US-20050273432-\$ or US-20050251482-\$ or US-20050216415-\$ or US-20050177716-\$ or US-20050165687-\$ or US-20050160048-\$ or US-20050149450-\$ or US-20050113991-\$ or US-20050108173-\$ or US-20050090308-\$ or US-20050086172-\$ or US-20050060584-\$ or US-20050033690-\$ or US-20040243834-\$ or US-20040225611-\$ or US-20040220880-\$ or US-20040133793-\$ or US-20040123129-\$ or US-20040107166-\$ or US-20040106454-\$ or US-20040106449-\$ or US-20040103305-\$ or US-20040073515-\$ or US-20040073514-\$ or US-20040073513-\$).did. or (US-20040064417-\$ or US-20040059678-\$ or US-20040054630-\$ or  3/13/2007 6:40:09 PM H:\20070307.wsp	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/03/09 21:54
						Page 10

## EAST Search History

S25	317	S24 and ((new or different or switch or switched or switching or move or moved or moving or transfer or transferred or transferring or start or started or starting) with (customer or resident or consumer or occupant or account))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/09 21:54
S26	11	(US-4803632-\$ or US-6360211-\$ or US-5146067-\$ or US-4351028-\$ or US-5751797-\$ or US-5719564-\$ or US-4866761-\$ or US-4817131-\$ or US-4213119-\$ or US-4119948-\$ or US-3868640-\$).did.	USPAT	OR	ON	2007/03/12 05:55
S27	1	("5986574").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/12 07:40
S28	1	(US-4811011-\$).did.	USPAT	OR	ON	2007/03/12 05:56
S29	7	(US-6650887-\$ or US-5699528-\$ or US-5825883-\$ or US-5283829-\$ or US-5146067-\$ or US-4803632-\$ or US-4351028-\$).did.	USPAT	OR	ON	2007/03/12 05:56
S30	17	(S27 or S28 or S29 or S26)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 05:56
S31	0	(S30 and "smart card")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 05:56

## EAST Search History

S32	595	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and "smart card"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 05:58
S33	127	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and "smart card"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 05:58

## EAST Search History

S34	36	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment).ab. and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and "smart card"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 05:58
S35	1	("5812643").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/12 06:02
S36	1	("4351028").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/12 07:41
S37	1	(US-6314169-\$).did.	USPAT	OR	ON	2007/03/12 08:06
S38	19	(S30 or S35 or S36 or S37)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 08:07
S39	3	(S38 and (LCD or "liquid crystal display" or "liquid-crystal-display" or "liquid-crystal display" or LCDs or "LCD's"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 10:05
S40	8	(S38 and (navigation or navigate or navigated or navigating or arrow or navigational or directional))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:05

## EAST Search History

S41	2626	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:07
S42	1258	(S41 and (navigation or navigate or navigated or navigating or arrow or navigational or directional))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:06

## EAST Search History

S43	1258	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and (navigation or navigate or navigated or navigating or arrow or navigational or directional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:15
-----	------	--	--	----	----	------------------

## EAST Search History

S44	280	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and (navigation or navigate or navigated or navigating or arrow or navigational or directional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:07
-----	-----	--	--	----	----	------------------

## EAST Search History

S45	21	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement).ab. and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and (navigation or navigate or navigated or navigating or arrow or navigational or directional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:07
-----	----	--	--	----	----	------------------

## EAST Search History

S46	554	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone) and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and (navigation or navigate or navigated or navigating or "arrow key" or navigational)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:16
-----	-----	---	--	----	----	------------------

## EAST Search History

S47	145	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement) and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and (navigation or navigate or navigated or navigating or "arrow key" or navigational)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:16
-----	-----	---	--	----	----	------------------

## EAST Search History

S48	3	(@ad<"19971016" or @pd<"19971016" or @rlad<"19971016" or @prad<"19971016") and (utility or electric or electrical or electricity or power or gas or water or cable or Internet or phone or telephone).ab. and (bill or billed or billing) and (meter or metered or metering or measure or measured or measuring or measurement).ab. and (pay or paid or paying or payment) and (account) and (network or cell or cellular or radio or wireless or wire or wired or cable or infrared or "infra-red" or "infra red" or ultrasound or "ultra-sound" or "ultra sound" or ultrasonic or "ultra-sonic" or "ultra sonic" or RF or RFID or "radio-frequency" or "radio-frequency-ID" or "radio-frequency-identification" or satellite or broadcast or broadcasted or broadcasting or transmit or transmitted or transmitting or transmission) and (navigation or navigate or navigated or navigating or "arrow key" or navigational)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 09:16
S49	6	(S38 and (LED or "light emitting diode" or "light-emitting-diode" or "light-emitting diode" or LEDs or "LED's"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/12 10:08
S50	1	("5577100").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/12 10:09
S51	1	(US-6073174-\$).did.	USPAT	OR	ON	2007/03/12 11:22
S52	6	(("4,351,028") or ("4,817,131") or ("5,812,643") or ("4,803,632") or ("5,699,528") or ("5,577,100")).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/12 11:25

## EAST Search History

S53	107	(("3973240") or ("3980954") or ("4040046") or ("4101834") or ("4085287") or ("4107656") or ("4109204") or ("4130874") or ("4131881") or ("4135101") or ("4135181") or ("3445814") or ("3656112") or ("3683343") or ("3688271") or ("3693155") or ("3702460") or ("3705385") or ("3706930") or ("3719928") or ("3747104") or ("3815119") or ("3820106") or ("3855503") or ("3911415") or ("3914757") or ("3925763") or ("3900842") or ("3942168") or ("3942170") or ("3944932") or ("3952285") or ("3967264") or ("4161720") or ("4178482") or ("4188619") or ("4190800") or ("4199761") or ("4204194") or ("4204195") or ("4240030") or ("4250489") or ("4254402") or ("4264960") or ("4270206") or ("4276644") or ("4298986") or ("4300126") or ("4301445") or ("4302750") or ("4349879") or ("4307464") or ("4308619") or ("4310805") or ("4315251") or ("4322842") or ("4323882") or ("4344180") or ("4361766") or ("4375100") or ("4393501") or ("4396915") or ("4400811") or ("4455655") or ("4427968") or ("4429299") or ("4446462") or ("4462109") or ("4475217") or ("4504831") or ("4513415") or ("4517562") or ("4518822") or ("4584685") or ("4623313") or ("4641325") or ("4713837") or ("4731575") or ("4795892") or ("4803632") or ("4831558") or ("4833618") or ("4862493") or ("4881070") or ("5146067") or ("5268666") or ("5452291") or ("5553094") or ("5590179") or ("5602744") or ("5699276") or ("5748104") or ("5924486") or ("5986574") or ("4641322") or ("4749992") or ("5438329") or ("5495239") or ("4599598") or ("4937569") or ("5406249") or ("5801643") or ("4135181") or ("4450481") or ("5862391") or ("5381462") or ("6119106") or ("6128603")).PN.	US-PGPUB; USPAT	OR	OFF	2007/03/12 11:54
-----	-----	--	--------------------	----	-----	------------------

## EAST Search History

S54	6	(US-5812643-\$ or US-5699528-\$ or US-5577100-\$ or US-4817131-\$ or US-4803632-\$ or US-4351028-\$). did.	USPAT	OR	ON	2007/03/12 11:55
S55	1	("4135181").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/13 16:56